

Separates

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Commentaries
 Comment on "Can the Standard Radiosonde System Meet Special Atmospheric Research Needs?"
 Authored by Schmidlin, Olivero and Nostler in Vol. 9, No. 9, Pages 1109-1112, September
 1982 (Paper 3L0284)
 Reply to Comments in Turner and Oliphant (Paper 3L0683)
 Robert E. Turner and Luke P. Oliphant
 Francis J. Schmidlin, John J. Olivero, and Mark A. Nostler

Corrections
 Correction (Paper 3L0393)
 Correction (Paper 3L0222)

Francis W. Reichelderfer, who died January 28, 1983, introduced modern forecasting techniques to U.S. military and civilian weather prediction and spearheaded their dissemination throughout the world. When Reichelderfer retired as Chief of the U.S. Weather Bureau in 1963, Secretary of Commerce Luther H. Hodges declared that, "You are leaving a legacy of the world's largest and most sophisticated weather system. . . . During your year of duty, your leadership and inspiration guided meteorologists throughout the world to work toward the common goal of a truly global weather system." President Kennedy and former Presidents Truman and Eisenhower sent letters of appreciation. In addition, Reichelderfer received gifts and messages from more than 50 other nations in recognition of his many contributions to the development of modern meteorology. Reichelderfer himself said that he had been fortunate "always to have been in the right place at the right time."

Reichelderfer was born in Hanlan, Indiana on August 11, 1898. In 1917 he graduated from Northwestern University, and in 1918 he joined the U.S. Naval Reserve Force to serve

In 1941, after the United States entered the World War II, President Roosevelt designated the Weather Bureau a war agency. Even before this, a Reichelderfer recommendation had led to the creation of a committee to coordinate civilian and military meteorology activities; the committee's functions soon were taken over by the Joint Meteorology

The development of such forecasts required the concerted effort of the Weather Bureau, Naval Weather Service, and the Air Weather Service, an effort Reichleherfer continually championed at meetings with his military colleagues. Each weather service subsequently provided a third of the money and manpower needed to establish a Joint Numerical Weather Prediction Unit in the Weather Bureau in 1954. A year later the

Reichleider joined AGU¹ in 1939. He was president of the Meteorology Section from 1941 to 1947 and served two terms as AGU vice president (1949-1953 and 1959-1960). Reichleider resigned from the Weather Bureau after serving it for 24 years and 10 months. Following his retirement, he served another decade as a consultant to the Weather Bureau, industry, and the World Meteorological Organization.

This tribute was written by Patrick Hughes of the National Oceanic and Atmospheric Administration, Washington, DC 20233.

The International Geological Correlation Program (IGCP) is launching a plan to identify and quantify the processes of sea-level change by producing detailed local histories that can be analysed and correlated for tectonic

(3) Analysis of tide-gauge records and the modeling of other short-term fluctuations, such as changes of the tidal range, storm surges, tsunami, etc., using computer simulation techniques carefully controlled by reliable, accurate sea-level data. Those wishing to take part in the activities of Project IGCIR-20 may contact P. A. Pirazzoli, Laboratoire de Géodynamique de l'É.P.F.I.E., 1 rue Maurice Aronow, 42120 Montrouge, France.

Grants in the local currencies of the countries are awarded to U.S. institutions for research by senior scientists; collaborative programs involving host country institutions are welcome. Awards are determined on the basis of competitive scholarly review.

The annual deadline for applications is November 1. For additional information, contact the Foreign Currency Program, Office of Fellowships and Grants, Smithsonian Institution, Washington, DC 20560 (telephone: 202-287-9321).

March streamflow conditions were generally above average over most of the United States, and much of the eastern United States was awash in April, with record and near-record flows being set on streams from Maine to Louisiana, according to monthly checks on the nation's water-resource conditions by the U.S. Geological Survey (USGS). About 90% of the index gauges nationwide were reported average to above average flow in April.

ghnana and Natalbony rivers and the Bogue Chitto in Louisiana and the Yazoo and Biloxi rivers and Red Creek in Mississippi. The flow of the Anite River at Denham Springs, La., for example, peaked at about 59.7 million gallons (226 million liters) per minute on April 8, which is about 21% greater than the previous record high flow of 49.4 million gallons (187 million liters) per minute on April 23, 1977.

In contrast to most of the nation during March, streamflow conditions in the Ohio River valley were well below average throughout Indiana, Ohio and Kentucky, and also in northern Tennessee, eastern Illinois, southern Michigan, western Pennsylvania and extending eastward into southwestern New York.

Dry weather continued to grip Hawaii in March. The island of Hawaii was designated as a drought disaster area. Streamflows at the

four USGS index stations were in the below normal range, with stations on the islands of Maui and Hawai'i reporting new or record-equalling monthly or daily minimum flows.

The combined March flow of the nation's 'Big Five' rivers—Mississippi, St. Lawrence, Ohio, Missouri and Columbia—has averaged 982 billion gallons a day (bgd) (3.6 $\times 10^{12}$ liters per day)—1 pd, 1% below average for March. The large rivers account for streamflow runoff for more than half of the conterminous United States and their combined flow provides USGS hydrologists with useful check on the status of the nation's water resources. Flow of the Ohio River at Louisville, Ky.—indicative of the dry conditions in the Ohio River valley—averaged 79 bgd $\times 10^{11}$ (pd), 50% below the long-term March average and 10% below the February flow. Most of the key index gaging stations on streams feeding the Ohio River also report below-average flows.

News (cont. on p.394)

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